Catalogue No: RQ96FI 240V

FREQUENCY METER 240V 45-55Hz AC

Energy Management and Building Automation > Energy Management and Metering > Analogue and Digital Meters > IME Analogue Meters > Frequency Meters > Panel Mount Direct Connect with 90° Deflection





FREQUENCY METER 45-55HZ 240V AC

- Transducer and moving operation coil meter offers relative immunity to external vibration
- Moving coil meter and transducer, accuracy class 0.5
- Voltage level tolerance +15%, 4VA burden
- Range of 45-55Hz

Representative Photo Only (actual product may vary based on configuration selections)

SPECIFICATIONSProduct SeriesR096FIComponent Type MeteringAnalogue MeterMeter TypeFrequencyInput Range(6)45 55HzInput UnitsHzDisplay (Output) UnitsHzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Max55 HzInput Frequency, Max96 mmWidth, Cutout92 mmWidth, Cutout92 mmWidth, Cutout92 mm		
Component Type MeteringAnalogue MeterMeter TypeFrequencyInput Range(s)45 55HzInput Vange(s)HzDisplay (Output) UnitsHzDisplay (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC, max265 VACInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Numer of meter displays1Height, Window96 mmWidth, Kutout92 mm	SPECIFICATIONS	
Meter TypeFrequencyInput Range(s)45 55HzInput UnitsHzDisplay (Output) UnitsHzDisplay (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mm	Product Series	RQ96FI
Input Range(s)45 55HzInput UnitsHzDisplay (Output) UnitsHzDisplay (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Moving collConnectConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Max55 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmHeight, Cutout92 mm	Component Type Metering	Analogue Meter
Input UnitsHzDisplay (Output) UnitsHzDisplay (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Min45 HzInput Frequency, Min55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Cutout92 mm	Meter Type	Frequency
Display (Output) UnitsHzDisplay (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Vindow96 mmWidth, Window96 mmWidth, Cutout92 mm	Input Range(s)	45 55Hz
Display (Output) Range(s)45 55HzOverrange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmWidth, Cutout92 mm	Input Units	Hz
Overange DisplayNoDeflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mm	Display (Output) Units	Hz
Deflection90 °Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mmWidth, Cutout92 mm	Display (Output) Range(s)	45 55Hz
Movement TypeMoving coilConnection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmWidth, Cutout92 mm	Overrange Display	No
Connection MethodDirect connectTerminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Vindow92 mmWidth, Cutout92 mm	Deflection	90 °
Terminal TypeScrew Terminal(s)Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Movement Type	Moving coil
Burden, Rated4 VAAccuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mmWidth, Cutout92 mm	Connection Method	Direct connect
Accuracy Class0.5 ClassUn, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mmWidth, Cutout92 mm	Terminal Type	Screw Terminal(s)
Un, Nominal Operational Voltage, AC240 V ACUe, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmWidth, Cutout92 mmWidth, Cutout92 mm	Burden, Rated	4 VA
Ue, Rated Operational Voltage, AC, max265 V ACInput Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mmWidth, Cutout92 mm	Accuracy Class	0.5 Class
Input Frequency, Nom50 HzInput Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Un, Nominal Operational Voltage, AC	240 V AC
Input Frequency, Min45 HzInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window92 mmHeight, Cutout92 mm	Ue, Rated Operational Voltage, AC, max	265 V AC
InvertiewerInput Frequency, Max55 HzInstallation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Input Frequency, Nom	50 Hz
Installation CategoryIIIPollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Input Frequency, Min	45 Hz
Pollution Degree2Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Input Frequency, Max	55 Hz
Ui, Rated Insulation Voltage600 V (rms)Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Installation Category	III
Number of meter displays1Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Pollution Degree	2
Height, Window96 mmWidth, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Ui, Rated Insulation Voltage	600 V (rms)
Width, Window96 mmHeight, Cutout92 mmWidth, Cutout92 mm	Number of meter displays	1
Height, Cutout 92 mm Width, Cutout 92 mm	Height, Window	96 mm
Width, Cutout 92 mm	Width, Window	96 mm
	Height, Cutout	92 mm
Depth 87 mm	Width, Cutout	92 mm
	Depth	87 mm



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Weight	0.3 kg
Material, Body / Housing	PC (Polycarbonate) material
Mounting	Panel Mount
IP Rating, Front	IP52
IP Rating, Back	IP20
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	50 °C max
Storage Temperature, Min	-40 °C min
Storage Temperature, Max	80 °C max
Shock Rating	IEC 60051-1
Vibration Rating	IEC 60051-1
Standards Compliance	IEC 60051-1 IEC 61010-1 IEC 60529 EN 61010-1 EN 60529
REFERENCES	
IECEx Certificate -	
Supplier Declaration of	

Conformity:	
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-

Modello / Model	А	В	С	Peso / Weight
RQ48FI	48x48	45x45	85,5	150gr.
RQ72FI	72x72	68x68	87	200gr.
RQ96FI	96x96	92x92	87	300gr.

Dimension Diagram

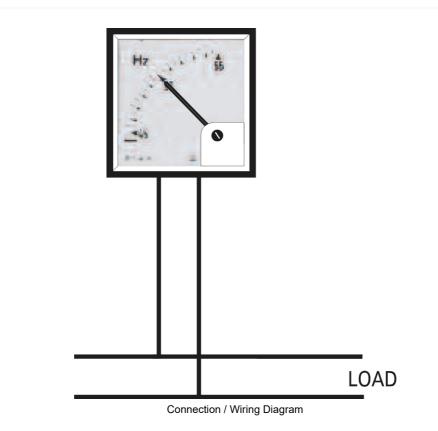


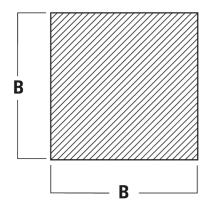
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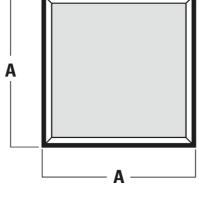
FREQUENCY METER 240V 45-55Hz AC

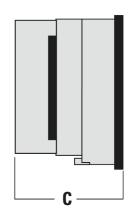
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Technical Diagram

